INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/001549

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. [7]: C12N 7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
SEE BELOW

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
SEE BELOW

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WPIDS, MEDLINE, CAPLUS, AGRICOLA
KEYWORDS: baculovirus; larva?/helicoverpa/spodoptera/anticarsia/autographa/anagrapha/lymantria/bombyx/buzura; Large scale/scale up/bioreactor/commercial; biopesticide/bioinsecticide/pesticide/insecticide

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Chakraborty, S. and Reid, S., 1999, Serial passage of a *Helicoverpa armigera* nucleopolyhedrovirus in *Helicoverpa zea* cell cultures, *Journal of Invertebrate Pathology*, 73: 303-308. p. 307-308, ***Discussion***	1-12
A	Slavicek, J. M. et al., 1996, Isolation of a baculovirus variant that exhibits enhanced polyhedra production stability during serial passage in cell culture, *Journal of Invertebrate Pathology*, 67: 153-160. Whole document	1-12

[X] Further documents are listed in the continuation of Box C [ ] See patent family annex

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
17 December 2004	11 JAN 2005
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized officer SOPHINA CALANNI Telephone No : (02) 6283 2038

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Wong, K. T. K. et al., 1996, Low multiplicity infection of insect cells with a recombinant baculovirus: the cell yield concept, *Biotechnology and Bioengineering*, **49**: 659-666. Whole document	1-12
A	Chakraborty, S. et al., 1995, *In vitro* production of wild type *Heliothis* baculoviruses for use as biopesticides, *Australasian Biotechnology*, **5**: 82-86. Whole document	1-12
A	Lua, L. H. L. et al., 2002, Phenotypic and genotypic analysis of *Helicoverpa armigera* nucleopolyhedrovirus serially passaged in cell culture, *Journal of General Virology*, 83:945-955. Whole document	1-12
A	Bull, J. C. et al., 2003 (April), A few-polyhedra mutant and wild-type nucleopolyhedrovirus remain as a stable polymorphism during serial coinfection in *Trichoplusia ni*, *Applied and Environmental Microbiology*, **69**: 2052-2057. p. 2054, ***Serial rounds of insect infection***	1-12